

**THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE
PROPERTY OR PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:**

1. An oral composition comprising:

5 an effective amount of a β (1-3) β (1-4) glucan;
 an effective amount of an antibacterial agent, or a botanical extract, or
 both;
 an effective amount of a flavoring agent,
 an effective amount of a surfactant, and
10 an effective amount of one, or more than one compound selected from
 the group consisting of a sweetener, a polishing agent, a thickener, a
 fluoride salt, a bleaching agent, an odour neutralizing agent, an
 antioxidant, and a gum base.

15 2. The oral composition of claim 1, further comprising a humectant.

3. An oral composition comprising:

 an effective amount of a β (1-3) β (1-4) glucan;
 an effective amount of an antibacterial agent, or a botanical extract, or
20 both;
 an effective amount of a flavoring agent;
 an effective amount of one, or more than one compound selected from
 the group consisting of a polishing agent, a thickener, a fluoride salt, a
 bleaching agent, an odour neutralizing agent, an antioxidant, and a
25 gum base.

4. The oral composition of claim 3, further comprising one, or more than one of a
humectant, a surfactant, and a sweetener.

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5. The oral composition of claim 1, wherein the oral composition comprises:

an effective amount of a β (1-3) β (1-4) glucan;
an effective amount of an antibacterial agent;
an effective amount of a flavoring agent;
5 an effective amount of a surfactant, and
an effective amount of a sweetener.

6. The oral composition of claim 1, wherein the oral composition comprises:

an effective amount of a β (1-3) β (1-4) glucan;
10 an effective amount of an antibacterial agent;
an effective amount of a flavoring agent,
an effective amount of a surfactant, and
an effective amount of a polishing agent.

- 15 7. The oral composition of claim 1, wherein the oral composition comprises:

an effective amount of a β (1-3) β (1-4) glucan;
an effective amount of an antibacterial agent;
an effective amount of a flavoring agent;
an effective amount of a surfactant;
20 an effective amount of a polishing agent, and
an effective amount of a fluoride salt.

8. The oral composition of claim 1, wherein the oral composition comprises:

an effective amount of a β (1-3) β (1-4) glucan;
25 an effective amount of an antibacterial agent;
an effective amount of a flavoring agent;
an effective amount of a surfactant;
an effective amount of a sweetener;
an effective amount of a polishing agent, and
30 an effective amount of a fluoride salt.

9. An oral composition comprising:

one, or more than solvent;

an effective amount of a β (1-3) β (1-4) glucan, and

an effective amount of a polishing agent.

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10. The oral composition of claim 9, further comprising an effective amount of one, or more than one compound selected from the group consisting of a sweetener, a flavoring agent, an antibacterial agent, a botanical extract, a surfactant, a humectant, a thickener, a fluoride salt, an odour neutralizing agent, an antioxidant, and a bleaching agent.

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11. An oral composition comprising:

an effective amount of a β (1-3) β (1-4) glucan, and

an effective amount of a bleaching agent.

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12. The oral composition of claim 11, further comprising an effective amount of one, or more than one compound selected from the group consisting of a flavoring agent, an antibacterial agent, a botanical extract, a surfactant, a humectant, a thickener, a fluoride salt, an odour neutralizing agent, an antioxidant, and a polishing agent.

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13. An oral composition comprising:

an effective amount of a β (1-3) β (1-4) glucan, and

an effective amount of an odour neutralizing agent.

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14. The oral composition of claim 13, further comprising an effective amount of one, or more than one compound selected from the group consisting of a flavoring agent, an antibacterial agent, a botanical extract, a surfactant, a humectant, a thickener, a fluoride salt, a bleaching agent, an antioxidant, and a polishing agent.

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15. The oral composition of claim 10, wherein the composition comprises:

an effective amount of a β (1-3) β (1-4) glucan;

an effective amount of a flavoring agent, and

an effective amount of a polishing agent.

16. The oral composition of claim 10, wherein the composition comprises:
an effective amount of a β (1-3) β (1-4) glucan;
an effective amount of a flavoring agent;
an effective amount of an antibacterial agent, and
5 an effective amount of a polishing agent.
17. The oral composition of claim 12, wherein the oral composition comprises:
an effective amount of a β (1-3) β (1-4) glucan;
an effective amount of a flavouring agent, and
10 an effective amount of a bleaching agent.
18. The oral composition of claim 12, wherein the oral composition comprises:
an effective amount of a β (1-3) β (1-4) glucan;
an effective amount of a flavouring agent;
15 an effective amount of an antibacterial agent, and
an effective amount of a bleaching agent.
19. The composition of claim 1, wherein the antibacterial agent is selected from
the group consisting of triclosan, cetyl pyridinium chloride, sanguinarine, domiphen
20 bromide, a quaternary ammonium salt, a zinc compound, a fluoride, alexidine,
octonideine, EDTA, silver nitrate, thymol, methyl salicylate, eucalyptol, menthol, and
a mixture thereof.
20. The oral composition of claim 1, wherein the flavoring is selected from the
25 group consisting of a synthetic flavour, an aromatic oil, an oleo resin, a plant-derived
extract, a flower-derived extract, a fruit-derived extract, and a mixture thereof.
21. The oral composition of claim 1, wherein said odour neutralizing agent is
selected from the group consisting of zinc gluconate, zinc citrate, alpha ionone, and
30 a mixture thereof.
22. The oral composition of claim 1, wherein the composition is in the form of a
mouthrinse, a spray, a tablet, a lozenge, chewing gum or toothpaste.

23. The composition of claim 1, wherein the β (1-3) β (1-4) glucan is derived from a cereal grain or a part of the cereal grain.

24. The composition of claim 23, wherein the cereal is selected from the group consisting of a cultivar of barley, a cultivar of oat, a cultivar of wheat, a cultivar of rye, a cultivar of sorghum, a cultivar of millet, a cultivar of corn, and a mixture thereof.

25. An oral composition comprising:
10 an effective amount of a β (1-3) β (1-4) glucan;
an effective amount of an antibacterial agent selected from the group consisting of triclosan, cetyl pyridinium chloride, sanguinarine, domiphen bromide, a quaternary ammonium salt, a zinc compound, a fluoride, alexidine, octonideine, EDTA, silver nitrate, thymol, methyl salicylate, eucalyptol,
15 menthol, and a mixture thereof.

26. The oral composition of claim 25, further comprising an effective amount of one, or more than one compound selected from the group consisting of a flavouring agent, a polishing agent, a surfactant, a botanical extract, a humectant, a thickener, a fluoride salt, a bleaching agent, a gum base, an antioxidant, and an emulsifier.
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27. A method of producing fresh breath in a subject, comprising applying to the teeth, the oral cavity, or both of the subject, a composition comprising:
an effective amount of a β (1-3) β (1-4) glucan, and
25 an effective amount of one, or more than one of an antibacterial agent, a botanical extract, and a flavoring agent.

28. The method of claim 27, wherein the composition further comprises an effective amount of one, or more than one compound selected from the group consisting of a surfactant, a sweetener, a polishing agent, a thickener, a fluoride salt, a bleaching agent, a humectant, an odour neutralizing agent, an antioxidant, and a gum base.
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29. A method of whitening the teeth of a subject, comprising applying to the teeth of the subject an oral composition comprising:

an effective amount of a β (1-3) β (1-4) glucan, and
an effective amount of a bleaching agent.

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30. The method of claim 29, wherein the oral composition further comprises an effective amount of one, or more than one compound selected from the group consisting of a flavoring agent, an antibacterial agent, a botanical extract, a surfactant, a humectant, a thickener, a fluoride salt, an antioxidant, and a polishing agent.

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